Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed

1.1. Name of the Data, data collection Project, or data-producing Program:
Coastal Energy Facilities

1.2. Summary description of the data:
These data depict the location of facilities that generate electricity. The locations are created from the Environmental Protection Agency Emissions & Generation Resource Integrated Database (eGRID). Only facilities adjacent to the coast and Great Lakes are shown. Contained within the database are records that define the fuel source and other characteristics of the facility that may benefit ocean planners. In some cases, the presence of a facility may indicate that certain power transmission infrastructure exists nearby. Absence of a facility or lack of sufficient capacity at a facility in a given area may also be an important characteristic in future energy planning activities. Please keep in mind this is not representative of the whole eGRID. This dataset can be linked back to the additional content of the eGRID by downloading the data and joining it back to the eGRID spreadsheet.

1.3. Is this a one-time data collection, or an ongoing series of measurements?
One-time data collection

1.4. Actual or planned temporal coverage of the data:
2012

1.5. Actual or planned geographic coverage of the data:
W: -171.737523, E: -67.003299, N: 71.2789, S: 18.974204

1.6. Type(s) of data:
(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)
Map (digital)

1.7. Data collection method(s):
(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:

2. Point of Contact for this Data Management Plan (author or maintainer)

2.1. Name:
NOAA Office for Coastal Management (NOAA/OCM)

2.2. Title:
Metadata Contact

2.3. Affiliation or facility:
NOAA Office for Coastal Management (NOAA/OCM)

2.4. E-mail address:
coastal.info@noaa.gov

2.5. Phone number:
(843) 740-1202

3. Responsible Party for Data Management
Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:

3.2. Title:
Data Steward

4. Resources
Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?

4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):

5. Data Lineage and Quality
NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible
(describe or provide URL of description):

Process Steps:

- 2016-02-01 00:00:00 - 1. Go to and download: https://www.epa.gov/sites/production/files/2017-02/all_egrid2014v2_files.zip 2. Open eGRID2014_Data.xlsx and go to the PLNT14 tab 3. Delete superfluous fields and rename fields as specified in the attribute table 4. In Arc Map, add XY coordinates by using the LAT and LON fields within the spreadsheet 5. Export this data as a new feature class 6. Calculate the primaryFuel field as follows: AB = Agricultural Byproduct, BFG = Blast Furnace Gas, BIT = Bituminous Coal, BLQ = Black Liquor, COG = Coke Oven Gas, DFO = Distillate Fuel Oil, GEO = Geothermal, JF = Jet Fuel, KER = Kerosene, LFG = Landfill Gas, LIG = Lignite Coal, MSW = Municipal Solid Waste, MWH = Electricity (megawatt hour), NG = Natural Gas, NUC = Nuclear, OBG = Other Biomass Gas, OBL = Other Biomass Liquid, OBS = Other Biomass Solid, OG = Other Gas, OTH = Other, PC = Petroleum Coke, PRG = Process Gas, PUR = Purchased Steam, RFO = Residual Fuel Oil, SGC = Coal-Derived Synthesis Gas, SLW = Sludge Waste, SUB = Subbituminous Coal, SUN = Solar, TDF = Tire-Derived Fuel, WAT = Water, WC = Waste Coal, WDL = Wood Waste Liquid, WDS = Wood Waste Solid, WH = Waste Heat, WND = Wind, WO = Waste Oil 7. Delete features that intersect non-coastal states and the 34 features with no LAT/LON info 8. Run the Find Identical Tool based on the fields LAT and LON and delete the duplicates 9. Add Unknown for any attributes missing a value for primaryFuel and primaryFuelCategory 10. Check geometry and project data into WGS 1984 Auxiliary Sphere

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

No

6.1.1. If metadata are non-existent or non-compliant, please explain:

Missing/invalid information:

- 1.7. Data collection method(s)
- 3.1. Responsible Party for Data Management
- 4.1. Have resources for management of these data been identified?
- 4.2. Approximate percentage of the budget for these data devoted to data management
- 5.2. Quality control procedures employed

- 7.1. Do these data comply with the Data Access directive?
- 7.1.1. If data are not available or has limitations, has a Waiver been filed?
- 7.1.2. If there are limitations to data access, describe how data are protected
- 7.4. Approximate delay between data collection and dissemination
- 8.1. Actual or planned long-term data archive location
- 8.3. Approximate delay between data collection and submission to an archive facility
- 8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:

https://www.fisheries.noaa.gov/inport/item/52768

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NOAA Data Documentation Procedural Directive: https://nosc.noaa.gov/EDMC/DAARWG/docs/EDMC_PD-Data_Documentation_v1.pdf

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

7.2. Name of organization of facility providing data access:

NOAA Office for Coastal Management (NOAA/OCM)

7.2.1. If data hosting service is needed, please indicate:

7.2.2. URL of data access service, if known:
ftp://ftp.coast.noaa.gov/pub/MSP/CoastalEnergyFacilities.zip
https://coast.noaa.gov/arcgis/rest/services/OceanReportingTool/CoastalEnergyFacilities/MapServer

7.3. Data access methods or services offered:
zip download and REST map service

7.4. Approximate delay between data collection and dissemination:

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:
(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

8.1.1. If World Data Center or Other, specify:

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):
Office for Coastal Management - Charleston, SC

8.3. Approximate delay between data collection and submission to an archive facility:

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?
Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.